

Docket No.: J0658.0017
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Jens Barrenscheen et al.

Application No.: 10/727,101

Confirmation No.: 4396

Filed: December 2, 2003

Art Unit: 2115

For: ARRANGEMENT CONSISTING OF A
PROGRAM-CONTROLLED UNIT AND A
POWER CHIP CONNECTED TO IT

Examiner: J. H. Bae

**COMMUNICATION REGARDING PREVIOUSLY SUBMITTED CERTIFIED COPY OF
PRIORITY DOCUMENT**

MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In further response to the Notice of Allowance and Fee(s) Due mailed October 1, 2007, the certified copy of the priority document was mailed on July 6, 2004, as indicated by the postcard stamped by the U.S. Patent and Trademark Office on July 9, 2004. A copy of this submission is enclosed.

It is therefore respectfully submitted that all requirements for claiming priority under 35 USC § 119 have been satisfied.

In the event a fee is required or if any additional fee during the prosecution of this application is not paid, the Patent Office is authorized to charge the underpayment to Deposit Account No. 50-2215.

Dated: January 2, 2008

Respectfully submitted,

By 

Laura C. Brutman

Registration No.: 38,395
DICKSTEIN SHAPIRO LLP
1177 Avenue of the Americas
New York, New York 10036-2714
(212) 277-6500
Attorney for Applicant

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1st Inventor: Jens Barrenscheen Dkt. No: INFJR-0003
Assignee: Infineon Technologies AG
Serial No.: 10/727,101-4396 Filed: 12/2/2003
Title: "Arrangement Consisting Of A Program-Controlled Unit And A
Power Chip Connected To It"

ENCLOSED:

1 pg - Completion Of Filing Requirements-Nonprovisional Application
1 pg - Petition for Extension of Time (in duplicate)
Part 2 - copy of Notice To File Missing Parts Of Nonprovisional Appln.
7 pgs - original, executed Declaration For Patent Application
1 pg - Recordation Form Cover Sheet
3 pgs - copy of original, executed Assignment Of Application
2 pgs - Information Disclosure Statement Under 37 CFR 1.97
1 pg - Information Disclosure Statement (PTO/SB/08A)
1 copy of each cited reference (6)
1 Certified Copy of the Priority Document (EP 02026773.8)
return receipt Postcard

PTB:bb

Date Mailed: 7/6/2004

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1st Inventor: Jens Barrenscheen Dkt. No: INFJR-0003
Assignee: Infineon Technologies AG
Serial No.: 10/727,101-4396 Filed: 12/2/2003
Title: "Arrangement Consisting Of A Program-Controlled Unit And A
Power Chip Connected To It"

ENCLOSED:

1 pg - Completion Of Filing Requirements-Nonprovisional Application
1 pg - Petition for Extension of Time (in duplicate)
Part 2 - copy of Notice To File Missing Parts Of Nonprovisional Appln.
7 pgs - original, executed Declaration For Patent Application
1 pg - Recordation Form Cover Sheet
3 pgs - copy of original, executed Assignment Of Application
2 pgs - Information Disclosure Statement Under 37 CFR 1.97
1 pg - Information Disclosure Statement (PTO/SB/08A)
1 copy of each cited reference (6)
1 Certified Copy of the Priority Document (EP 02026773.8)
return receipt Postcard

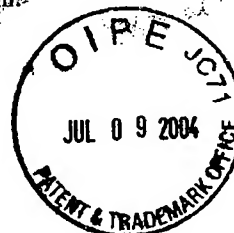
PTB:bb

Date

ms
RECEIVED

JUL 16 2004

BEVER, HOFFMAN & HARMS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jens Barrenscheen et al. Group No.: 2811
Serial No.: 10/727,101 Filed: 12/02/2003
For: "ARRANGEMENT CONSISTING OF A PROGRAM-CONTROLLED UNIT AND A
POWER CHIP CONNECTED TO IT"

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

COMPLETION OF FILING REQUIREMENTS
—NONPROVISIONAL APPLICATION

- I. This replies to the Notice to File Missing Parts of Nonprovisional Application mailed 03/04/2004. A copy of the Notice to File Missing Parts is enclosed.

DECLARATION OR OATH and POWER OF ATTORNEY

- II. No declaration or oath was filed. Enclosed is the original declaration or oath for this application.

ENTITY STATUS

- III. Applicant is a ☒ large / ☐ small entity.

COMPLETION FEES

- IV.
- | | |
|--|----------|
| 1. Filing Fee: Original patent application (37 C.F.R. 1.16(a)) | \$770.00 |
| 2. Fee for Claims: Each claim in excess of 20 (37 C.F.R. 1.16(c)) | \$-0- |
| 3. Fee for Claims: Each independent claim in excess of 3 (37 C.F.R. 1.16(b)) | \$-0- |
| 4. Surcharge Fee: Late payment of filing fee (37 C.F.R. 1.16(e)) | \$130.00 |
| 5. Assignment (See "ASSIGNMENT COVER SHEET") | \$40.00 |
| Total completion fees | \$940.00 |

EXTENSION OF TIME

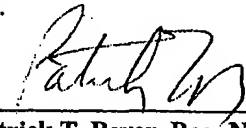
- V. A Petition for a two-month Extension of Time is included herewith.

Fee Due: 420.00

TOTAL FEE DUE

- VI. The total fees due are: \$1,360.00. Please charge Deposit Account No. 50-0574 for these fees and any additional fees that may be due by this paper.

Customer No. 022888


Patrick T. Bever, Reg. No. 33,834

I hereby certify that this correspondence is being deposited with the United States Postal Service as FIRST CLASS MAIL in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 6, 2004.

7/6/2004 
Date Signature: Rebecca A. Baumann

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(A)		Docket Number: INFJR-0003
In re application of: Jens Barrenschenn et al.		
Application Number: 10/727,101		Filed: 12/02/2003
For: "Arrangement Consisting Of A Program-Controlled Unit. . ."		
Art Unit: 2811		Examiner: unknown

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.

The requested extension and appropriate non-small entity fee are as follows (check time period desired):

<input type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$110.00
<input checked="" type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$420.00
<input type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$950.00
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$1480.00
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2010.00

☐ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount shown above is reduced by one-half, and the resulting fee is: \$

☐ A check in the amount of the fee is enclosed.


☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number: 50-0574 (Atty. Docket No: INFJR-0003). I have enclosed a duplicate copy of this sheet.

I am the ☐ applicant/inventor.
☐ assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).
☒ attorney or agent of record.
☐ attorney or agent under 37 CFR 1.34(a)
Registration number if action under 37 CFR 1.349a)

Date: July 6, 2004
Customer No.: 022888
Telephone: (408) 451-5902

Signature: 
Patrick T. Bever, Esq. (Reg. No.: 33,834)

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of _____ forms are submitted.

I hereby certify that this correspondence is being deposited with the United States Postal Service as FIRST CLASS MAIL in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 6, 2004.

7/6/2004
Date
Signature: Rebecca A. Baumann

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

022888
BEVER HOFFMAN & HARMS, LLP
TRI-VALLEY OFFICE
1432 CONCANNON BLVD., BLDG. G
LIVERMORE, CA 94550

OC00000012030457

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Edna Gwaby

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

**DECLARATION FOR PATENT APPLICATION, POWER OF
ATTORNEY & DESIGNATION OF CORRESPONDENCE ADDRESS**

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**"ARRANGEMENT CONSISTING OF A PROGRAM-CONTROLLED UNIT
AND A POWER CHIP CONNECTED TO IT"**

the specification of which (check one)

_____ is attached hereto.

XX was filed on 12/2/2003 as Application Serial No. 10/727,101

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to the patentability of this application in accordance with 37 CFR §1.56(a).

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR
DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §
119(a)-(d)**

I hereby claim foreign priority benefits under 35 USC § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
02026773.8	Europe	2/12/2002	X	

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119 (e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)
UNDER 35 U.S.C. § 120**

I hereby claim the benefits under 35 USC § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Appl. No.	Filing Date	Patented, Pending, Abandoned

Power of Attorney: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Erik O. Berger, Reg. No. 42,315; Stanton C. Braden, Reg. No. 32,556; Marie-Claire B. Maple, Reg. No. 37,588; Patrick T. Bever, Reg. No. 33,834; E. Eric Hoffman, Reg. No. 38,186; Jeanette S. Harms, Reg. No. 35,537; Edward S. Mao, Reg. No. 40,713; James E. Parsons, Reg. No. 34,691; and John M. Kubodera, 45,984.

Send correspondence to:


Patrick T. Bever, Esq.
BEVER, HOFFMAN & HARMS, LLP
Customer No.: 22888

Direct telephone calls to:

Telephone: (408) 451-5902

Facsimile: (408) 451-5908

I hereby declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under 18 USC §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor: Jens Barrenscheen	
Inventor's Signature: 	Date: March 17, 2004

Residence: Franziskanerstr. 16, 81669, Munchen, Germany
Citizenship: Germany
Mailing Address: (same as above)

Full Name of Second Inventor: Peter Rohm	
Inventor's Signature:	Date:
Residence: Bistumerweg 8, 85276 Pfaffenhofen	
Citizenship: Germany	
Mailing Address: (same as above)	

Full Name of Third Inventor:	
Inventor's Signature:	Date:
Residence:	
Citizenship:	
Mailing Address:	

Full Name of Fourth Inventor:	
Inventor's Signature:	Date:
Residence:	
Citizenship:	
Mailing Address:	

**DECLARATION FOR PATENT APPLICATION, POWER OF
ATTORNEY & DESIGNATION OF CORRESPONDENCE ADDRESS**

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**"ARRANGEMENT CONSISTING OF A PROGRAM-CONTROLLED UNIT
AND A POWER CHIP CONNECTED TO IT"**

the specification of which (check one)

_____ is attached hereto.

XX was filed on 12/2/2003 as Application Serial No. 10/727,101
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to the patentability of this application in accordance with 37 CFR §1.56(a).

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR
DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §
119(a)-(d)**

I hereby claim foreign priority benefits under 35 USC § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
02026773.8	Europe	2/12/2002	X	

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119 (e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)
 UNDER 35 U.S.C. § 120**

I hereby claim the benefits under 35 USC § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC § 112, I acknowledge the duty to disclose material information as defined in 37 CFR § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Appl. No.	Filing Date	Patented, Pending, Abandoned

Power of Attorney: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Erik O. Berger, Reg. No. 42,315; Stanton C. Braden, Reg. No. 32,556; Marie-Claire B. Maple, Reg. No. 37,588; Patrick T. Bever, Reg. No. 33,834; E. Eric Hoffman, Reg. No. 38,186; Jeanette S. Harms, Reg. No. 35,537; Edward S. Mao, Reg. No. 40,713, James E. Parsons, Reg. No. 34,691; and John M. Kubodera, 45,984.

Send correspondence to:

Patrick T. Bever, Esq.
 BEVER, HOFFMAN & HARMS, LLP
 Customer No.: 22888

Direct telephone calls to:

Telephone: (408) 451-5902

Facsimile: (408) 451-5908

I hereby declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under 18 USC §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor: Jens Barrenscheen	
Inventor's Signature:	Date:

Residence: Franziskanerstr. 16, 81669, Munchen, Germany
Citizenship: Germany
Mailing Address: (same as above)

Full Name of Second Inventor: Peter Rohm	
Inventor's Signature: <i>Peter Rohm</i>	Date: 2.6.2004
Residence: Bistumerweg 8, 85276 Pfaffenhofen	
Citizenship: Germany	
Mailing Address: (same as above)	

Full Name of Third Inventor:	
Inventor's Signature:	Date:
Residence:	
Citizenship:	
Mailing Address:	

Full Name of Fourth Inventor:	
Inventor's Signature:	Date:
Residence:	
Citizenship:	
Mailing Address:	

Serial No.: 10/727,101
Infineon Ref No.: 1154 US/P (200214312)
OC Ref No.: INFJR-0003

SIGNING BY EXECUTOR(TRIX) ON BEHALF OF DECEASED INVENTOR
(37 CFR 1.42 and 1.43)

I, ANGELA ROHM, hereby declare that I am a citizen of
Germany residing at:
Bistumsweg 8
D-85276 Pfaffenhofen
(mailing address)

and that I am executing and signing the declaration to which this is
attached as executor(trix) of the last will and testament of:

Country of Citizenship: Peter Rohm
Germany

That, upon information and belief, I aver those facts that the inventor
is required to state.

Date: 2. 6. 2004

Angela Rohm
Signature of executor(trix)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

PATENTS ONLY

Atty. Dkt. No.: INFJR-0003

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Jens Barrenscheen
Peter Rohm (Deceased)**

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Infineon Technologies AG

Street Address: St. Martin Str. 53

City/State/Zip: 81541 Munich Germany

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment
☐ Security Agreement
☐ Other

☐ Merger
☐ Change of Name

Execution Date: 03/17/2004, 06/21/2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: N/A

A. Patent Application No.(s): 10/727,101

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name:

**Patrick T. Bever, Esq.
Bever, Hoffman & Harms, LLP
2099 Gateway Place, Suite 320
San Jose, CA 95110**

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

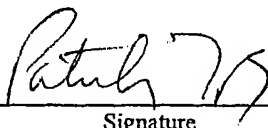
8. Deposit account number: 50-0574
(Attorney Docket No.: INFJR-0003)

DO NOT USE THIS SPACE

9. Signature.

Patrick T. Bever

Name of Person Signing



Signature

July 6, 2004

Date

Total number of pages including cover sheet, attachments, and document: [4]

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

For good and valuable consideration, I, Jens Barrenscheen, a citizen of Germany, residing at Franziskanerstr. 16, 81669 Munchen, Germany, and Peter Rohm, a citizen of Germany, residing at Bistumerweg 8, 85276 Pfaffenhofen, Germany, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to Infineon Technologies AG, a corporation, organized and existing under the laws of Germany, having its principal place of business at St. Martin Str. 53, 81541 Munich, Germany, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and filed December 2, 2003, Serial Number 10/727,101 entitled:

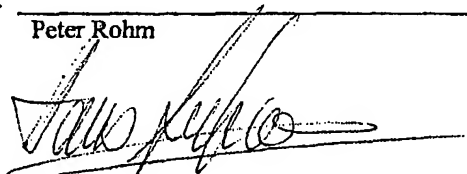
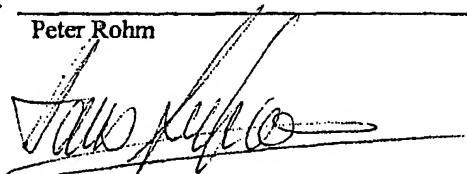
"ARRANGEMENT CONSISTING OF A PROGRAM-CONTROLLED UNIT AND A POWER CHIP CONNECTED TO IT"

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE:  DATE: 17 March 2004
Jens Barrenscheen

SIGNATURE:  DATE: _____
Peter Rohm
 17 MAR 2004

ASSIGNMENT

For good and valuable consideration, I, Jens Barrenscheen, a citizen of Germany, residing at Franziskanerstr. 16, 81669 Munchen, Germany, and Peter Rohm, a citizen of Germany, residing at Bistumerweg 8, 85276 Pfaffenhofen, Germany, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to Infineon Technologies AG, a corporation, organized and existing under the laws of Germany, having its principal place of business at St. Martin Str. 53, 81541 Munich, Germany, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and filed December 2, 2003, Serial Number 10/727,101 entitled:


"ARRANGEMENT CONSISTING OF A PROGRAM-CONTROLLED UNIT AND A POWER CHIP CONNECTED TO IT"

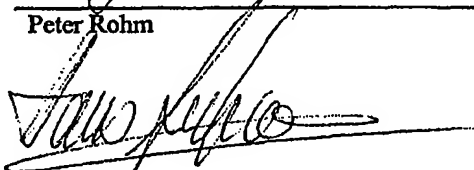
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE:  DATE: 17 March 2004
Jens Barrenscheen

SIGNATURE:  DATE: 21. 6. 2004
Peter Rohm



17 MAR 2004

Serial No.: 10/727,101
Infineon Ref No.: 1154 US/P (200214312)
OC Ref No.: INFJR-0003

SIGNING BY EXECUTOR(TRIX) ON BEHALF OF DECEASED INVENTOR
(37 CFR 1.42 and 1.43)

I, Angela Rohm, hereby declare that I am a citizen of
Germany residing at:
Bismarckweg 8
85276 Pfaffenhofen
(mailing address)

and that I am executing and signing the declaration to which this is
attached as executor(trix) of the last will and testament of:

Country of Citizenship: Peter Rohm
Germany

That, upon information and belief, I aver those facts that the inventor
is required to state.

Date: 21/6/2004

Angela Rohm
Signature of executor(trix)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as FIRST CLASS MAIL in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 6, 2004.

7/6/2004 *Rebecca A. Baumann*
Date Signature: Rebecca A. Baumann

PATENT**Attorney Docket No. INFJR-0003****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application)	<u>PATENT APPLICATION</u>
)	
Inventor(s): Jens Barrenscheen et al.)	
)	Art Unit: 2811
Application No.: 10/727,101)	
)	Examiner:
Filed: 12/2/2003)	
)	
Title ARRANGEMENT CONSISTING OF A)	
PROGRAM-CONTROLLED UNIT AND)	
A POWER CHIP CONNECTED TO IT)	
)	

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Listed below or on an attached Form PTO-1449 is information known to applicant(s). A copy of each listed publication and non-U.S. patent, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP § 609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56.

- ☒ This statement qualifies under 37 C.F.R. § 1.97, subsection (b) because (check all that apply):
- ☐ (1) It is being filed within 3 months of the application filing date and is other than a continued prosecution application under § 1.53(d)
-- OR --
- ☐ (2) It is being filed within 3 months of entry of a national stage
-- OR --
- ☒ (3) It is being filed before the mail date of the first Office Action on the merits.
-- OR --
- ☐ (4) It is being filed before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114
- ☐ 37 C.F.R. § 1.97(c). If this statement is being filed after the period specified in § 1.97(b), but before the mailing date of the earlier of a final office action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, then:
- ☐ a certification as specified in § 1.97(e) is provided below; or
- ☐ a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☐ 37 C.F.R. § 1.97(d). If this statement is being filed after the period specified in § 1.97(c), but on or before payment of the issue fee, then:
- A. a certification as specified in § 1.97(e) is completed below; and
- B. a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☒ **Fee Authorization.** The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0574 (Docket No. INFJR-0003).

Respectfully submitted,

BEVER, HOFFMAN & HARMS, LLP

Dated: 7/6/04

By: 

Patrick T. Bever, Reg. No. 33,834

Telephone: (408) 451-5902
Customer No. 22888

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number		10/727,101	
			Filing Date		12/2/2003	
			First Named Inventor:		Jens Barrenschenn	
			Examiner: unknown		GROUP: 2811	
Sheet	1	of	1	Attorney Docket Number		INFJR-0003

U.S. PATENT DOCUMENTS

Examiner Initials*	Cited No. ¹	Document Number Number - Kind Code ² (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	A01	US-4,682,294		07/21/1987	Duc et al.	
	A02	US-5,606,662		02/25/1997	Wisor	
	A03	US-6,317,458	B1	11/13/2001	Boggs et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Cntry Code ³ Number ⁴ Kind Code ⁵ (if known)			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T ⁶
	A04	EP	0 418 665	A1	03/27/1991			
	A05	EP	0 489 944	A1	06/17/1992			
	A06	DE	197 45 210	A1	05/12/1999			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER SIGNATURE:

DATE CONSIDERED:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

United States Patent [19]

Duc et al.

[11] Patent Number: 4,682,294

[45] Date of Patent: Jul. 21, 1987

[54] ELECTRIC ENERGY DISTRIBUTING DEVICES COMPRISING MICROPROCESSORS

[75] Inventors: Michel Duc, Savigny S/Orge; Philippe Montreuil, Torcy; Jean-Jacques Meuleman, Orsay, all of France

[73] Assignees: Automobiles Citroen, Neuilly-sur-Seine; Automobiles Peugeot, Paris, both of France

[21] Appl. No.: 661,669

[22] Filed: Oct. 17, 1984

[30] Foreign Application Priority Data

Oct. 18, 1983 [FR] France 83 16843

[51] Int. Cl.⁴ G06F 11/20

[52] U.S. Cl. 364/492; 307/38; 371/62

[58] Field of Search 364/492, 493, 483, 431.11; 371/62; 307/31, 32, 38, 40

[56] References Cited

U.S. PATENT DOCUMENTS

4,399,537 8/1983 Jones 371/62 X
4,454,509 6/1984 Buennagel et al. 364/492 X
4,488,303 12/1984 Abramovich 371/62
4,532,594 7/1985 Hosaka et al. 364/431.11

4,538,273 8/1985 Lasser 371/62
4,549,274 10/1985 Lerner et al. 364/492
4,572,963 2/1986 Nakano et al. 307/38 X

Primary Examiner—Gary Chin

Assistant Examiner—H. R. Herndon

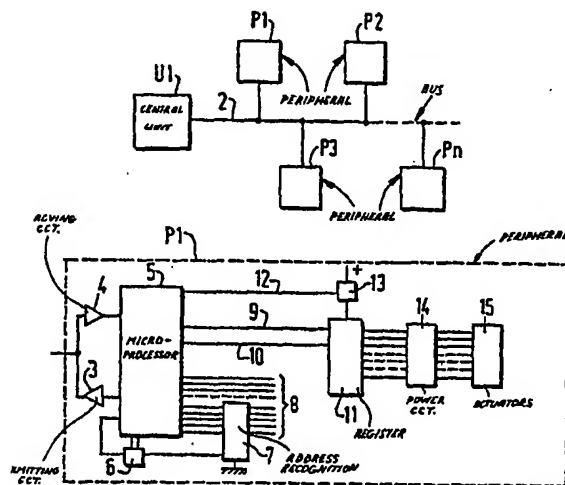
Attorney, Agent, or Firm—Karl F. Ross; Herbert Dubno

[57] ABSTRACT

The present invention provides a device for distributing electric energy between a current source and several groups of electric current consumers or peripherals $P_1, P_2 \dots P_n$ which is more particularly intended to be placed on board a motorized land, air or sea vehicle and comprises at least a first conductor for conveying the electric energy supplying the current consumers, at least a second conductor for conveying electric control signals and/or receiving information about the state of the current consumers, and at least one central control unit U_1 comprising means for transmitting, receiving, storing and processing coded information for controlling the start up or shut down of the current consumers.

In this device, each group of current consumers or peripherals comprise the same microprocessor or programmed means, with the same program and an address recognition circuit associated with this microprogrammed means allowing this latter to recognize itself.

2 Claims, 3 Drawing Figures





US005606662A

United States Patent [19]
Wisor

[11] **Patent Number:** 5,606,662

[45] **Date of Patent:** Feb. 25, 1997

[54] **AUTO DRAM PARITY ENABLE/DISABLE MECHANISM**

[75] **Inventor:** Michael T. Wisor, Austin, Tex.

[73] **Assignee:** Advanced Micro Devices, Inc., Sunnyvale, Calif.

[21] **Appl. No.:** 410,217

[22] **Filed:** Mar. 24, 1995

[51] **Int. Cl.:** G06F 11/34; G06F 11/10

[52] **U.S. Cl.:** 395/185.01; 371/49.2

[58] **Field of Search:** 371/48, 49.1, 49.2, 371/49.3, 49.4, 50.1, 51.1; 395/185.01, 185.06, 185.07; 364/266.3, 265.3

[56] **References Cited**

U.S. PATENT DOCUMENTS

5,155,735	10/1992	Nash et al.	371/49.1
5,339,322	8/1994	Rastegar	371/51.1
5,355,377	10/1994	Venkudu et al.	371/51.1
5,392,252	2/1995	Rimpo et al.	365/230.02

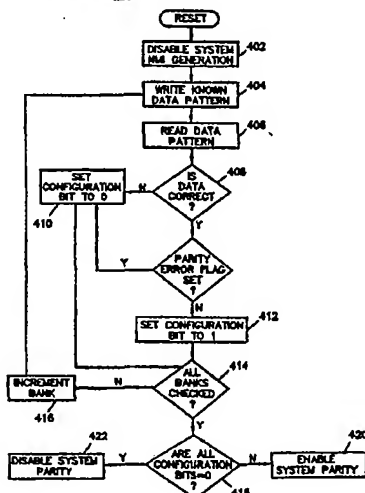
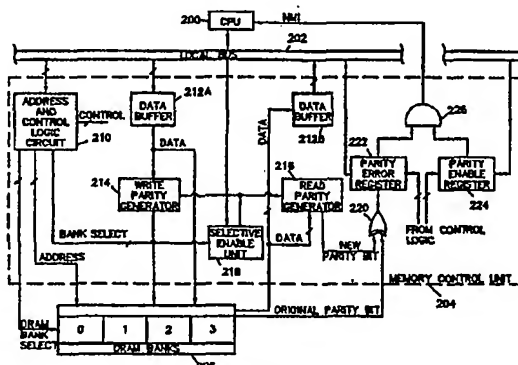
Assistant Examiner—Albert Décady
Attorney, Agent, or Firm—Conley, Rose & Tayon P.C.; R. Noel Kivlin

[57] ABSTRACT

A memory control unit (MCU) detects whether each bank of a DRAM subsystem will support parity error checking, and based on this determination, selectively disables the system parity error checking for those banks which do not support parity. The MCU automatically enables the system parity error checking for any banks that do support parity error checking. The memory control unit advantageously eliminates the need for the user to know what types of DRAM are in the system or how to configure the system to operate with the current DRAM types. Furthermore, the memory control unit allows for selective generation of parity checking among DRAM banks depending upon which banks support parity. Accordingly, even if one or more DRAM banks do not support parity, the capabilities of those DRAM banks that support parity will not go unused, and the advantages attained by parity error checking will be realized for the DRAM banks that support parity.

Primary Examiner—Robert W. Beausoliel, Jr.

16 Claims, 5 Drawing Sheets





US006317458B1

(12) **United States Patent**
Boggs et al.

(10) Patent No.: **US 6,317,458 B1**
(45) Date of Patent: **Nov. 13, 2001**

(54) **FAULT DETECTION FOR A PULSE WIDTH MODULATION DRIVER**

(75) Inventors: **Brian L. Boggs**, East Peoria; **Paul C. Gottshall**, Washington; **Steven O. Hart**, Morton; **Brian G. McGee**, Chillicothe, all of IL (US)

(73) Assignee: **Caterpillar Inc.**, Peoria, IL (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/217,022**

(22) Filed: **Dec. 21, 1998**

(51) Int. Cl.⁷ **H02H 3/18; H02H 9/00; G04G 19/00; G04G 19/06**

(52) U.S. Cl. **375/238; 323/276; 323/277; 323/286**

(58) Field of Search **375/278, 238, 375/277; 323/286, 276; 363/41, 39**

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,357,572 11/1982 Andersen et al. 323/286

4,825,347	4/1989	Guerrera et al.	363/41
4,827,391	5/1989	Sills	363/41
4,972,130	11/1990	Rossi et al.	318/293
5,400,236	3/1995	Shimizu et al.	363/37
5,550,498	8/1996	Kwan et al.	327/175
6,107,850 *	8/2000	Shimizu	327/172
6,147,848 *	11/2000	Boggs et al.	361/93.2

* cited by examiner

Primary Examiner—Chi Pham

Assistant Examiner—Dung X. Nguyen

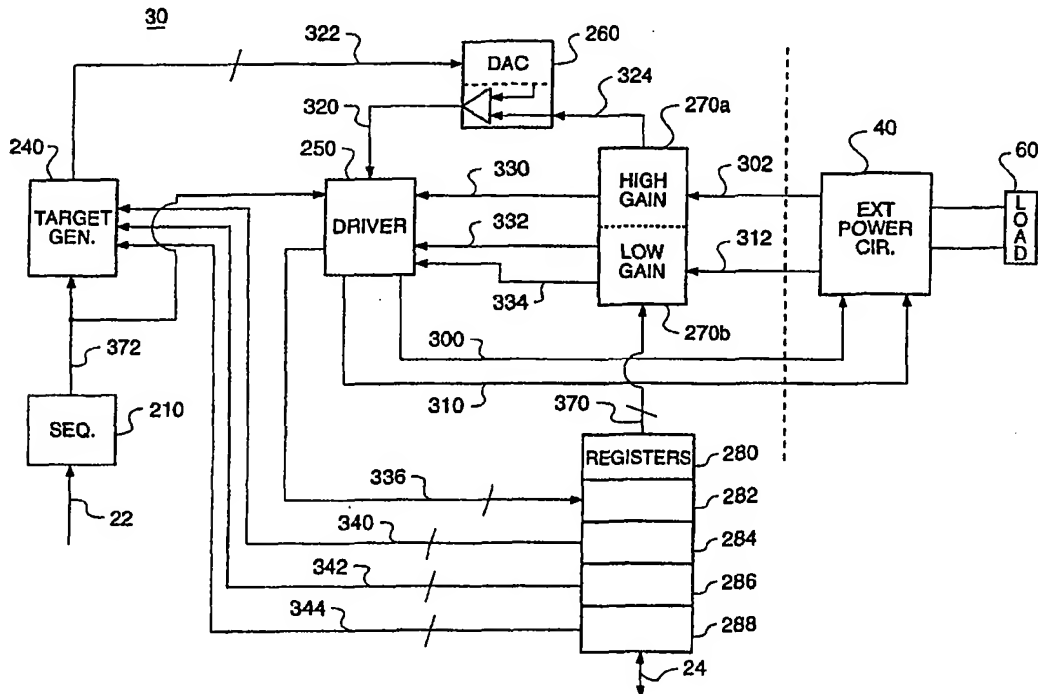
(74) *Attorney, Agent, or Firm*—Steven G. Kibby

(57)

ABSTRACT

A driver for producing a desired pulse width modulated current through a load has a driver control for storing diagnostics codes in a diagnostic register responsive to detection of at least one electrical fault condition in a circuit including the load. A short circuit detection signal is generated in response a sensed current exceeding a programmed load current range for the driver, whereupon the driver control disables the load current and generates an interrupt signal to a microprocessor. Open circuits and shorts across the load are distinguished by way of a minimum current signal representative of a sensed current flowing through the load exceeding a predetermined minimum.

17 Claims, 3 Drawing Sheets



(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 418 665 A1

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 90117230.4

(51) Int. Cl.⁵: G01R 31/02, B60T 8/88,
G05B 19/05, H03K 17/08,
H02H 3/087

(22) Date of filing: 06.09.90

(30) Priority: 11.09.89 FR 8911819

(43) Date of publication of application:
27.03.91 Bulletin 91/13

(84) Designated Contracting States:
DE GB IT

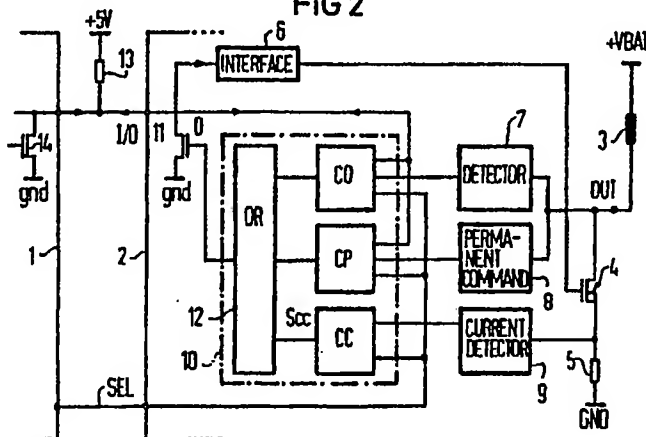
(71) Applicant: Siemens Aktiengesellschaft
Wittelsbacherplatz 2
W-8000 München 2(DE)

(72) Inventor: Guerra, Daniel
16 Boulevard des Capelles
F-31830 Plaisance du Touch(FR)
Inventor: Sicard, Thierry Michel Alain
24 route de Paris
F-31150 Fenouillet(FR)

(54) Device for the detection and discrimination of functional faults in an electrical power supply circuit.

(57) The device comprises a control circuit (2) integrating a power transistor (4) controlling the electrical power supply of a load (3), detectors (7, 8, 9) and a logic circuit (10) connected to a computer (1) by two lines (I/O) and (SEL). According to the invention, the computer selectively and successively controls, by specific combinations of logic signals applied on the lines (I/O) and (SEL), several logic sub-circuits for the detection and identification of functional faults in the power supply circuit of the load (permanent control, short-circuit, open circuit), the circuit (2) in return imposing on the line (I/O) logic levels representative of the presence or absence of faults, during time intervals in which the computer is configured to read these levels.

Application to the diagnosis of the functional status of electro-valves forming part of a wheel anti-locking device on a vehicle.

FIG 2

Xerox Copy Centre



Europäisches Patentamt
European Patent Office
Office européen des brevets



Veröffentlichungsnummer: **0 489 944 A1**

EUROPÄISCHE PATENTANMELDUNG

Anmeldenummer: 90123647.1

Int. Cl.⁵: H04L 12/40

Anmeldetag: 08.12.90

Veröffentlichungstag der Anmeldung:
17.06.92 Patentblatt 92/25

Anmelder: DEUTSCHE ITT INDUSTRIES GMBH
Hans-Bunte-Strasse 19 Postfach 840
W-7800 Freiburg i.Br.(DE)

Benannte Vertragsstaaten:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

Erfinder: Heberle, Klaus, Dipl.-Ing. (FH)
Hinter den Eichen 42
W-7801 Reute(DE)

Master-Slave-Datenübertragungssystem mit flexiblen Eindraht-Bus.

Master-Slave-Datenübertragungssystem mit einem flexiblen Eindraht-Bus (B), das für einen mehrfachen Master- und einen mehrfachen Slave-Datenübertragungsbetrieb geeignet ist, wobei jeweils ein Master (M) an einen Slave (S) Daten sendet oder von dort abruft. Dem Datentransfer dient ein flexibles Telegramm (T) mit einem in der Länge variablen Adreßteil (ad) und in einem in der Länge variablen

Datenteil (dt), wobei der Beginn und das Ende der einzelnen Telegrammteile durch Marken (mi) definiert sind und mindestens während des Telegramms (T) ein konstanter Bittakt übertragen wird. Im mehrfachen Master-Betrieb verhindert eine Prioritätssteuerung den gleichzeitigen Zugriff von mehreren Master (M, M1, M2) auf den Eindraht-Bus (B).

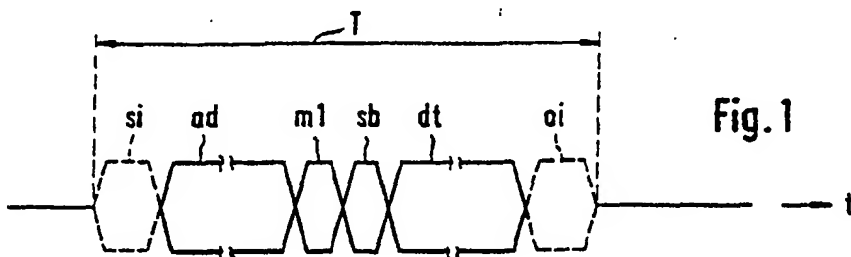


Fig. 1

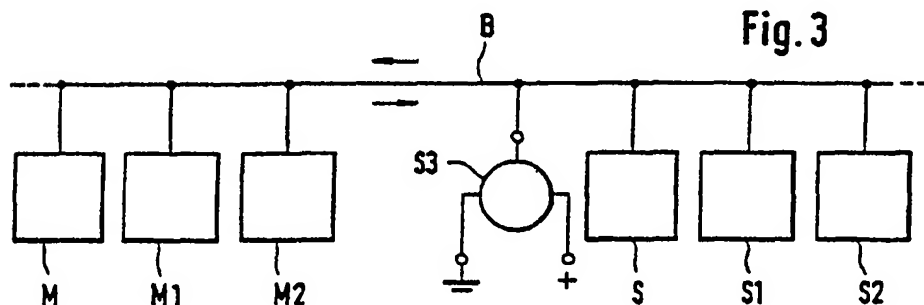


Fig. 3



① BUNDESREPUBLIK
DEUTSCHLAND



DEUTSCHES
PATENT- UND
MARKENAMT

② **Offenlegungsschrift**
③ **DE 197 45 210 A 1**

⑤ Int. Cl.⁶:
G 05 B 15/02
G 08 C 19/00
H 04 M 11/06

⑥ Aktenzeichen: 197 45 210.8
⑦ Anmeldetag: 13. 10. 97
⑧ Offenlegungstag: 12. 5. 99

DE 197 45 210 A 1

⑨ Anmelder:
UNIDATA Gesellschaft für Datenverarbeitung,
Organisation und Beratung mbH, 47803 Krefeld, DE

⑩ Vertreter:
Stark, W., Dipl.-Ing. Dr.-Ing., Pat.-Anw., 47803
Krefeld

⑪ Erfinder:
Krapoth, Ralph, Dipl.-Ing., 41238
Mönchengladbach, DE

⑫ Entgegenhaltungen:
DE 2 96 20 142 U1
US 55 65 855
US 50 86 385
JP 59-2 02 506 A
JP 02-0 33 603 A
JP 01-2 40 904 A

PFANNSTIEL, D.: "Homeautomation: Zukünftiger
Markt im Hausbereich?" In: atp-Automatisierungs-
technische Praxis 39 (1997)8 S. 18-28;

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

Prüfungsantrag gem. § 44 PatG ist gestellt

⑬ System zur Ansteuerung von insbesondere am 230-Volt-Wechselspannungsnetz betriebenen elektrischen Verbrauchern und/oder elektronischen Geräten

⑭ Die Erfindung betrifft ein System zur Ansteuerung von elektrischen, insbesondere am 220 Volt Wechselspannungsnetz betriebenen Verbrauchern. Um ein System zu schaffen, das einfach programmierbar ist und dessen Programmierung leicht und ohne zusätzliche Installationsarbeiten geändert werden kann und das durch Standardbauteile und geringen Materialeinsatz einfach und kostengünstig herstellbar ist, wird ein System zur Ansteuerung von insbesondere 230-Volt-Wechselspannungsnetz betriebenen elektrischen Verbrauchern und/oder elektronischen Geräten, mit mittels Schaltleitungen, insbesondere über zwischengeschaltete Schaltstellen, wie z. B. Relais oder dergleichen, mit den Verbrauchern/Geräten und/oder Bedienschaltern verbundenen Signalstellen und mit einer mittels als Datenbus ausgebildeten Steuerleitungen mit den Signalstellen verbundenen, den in den Signalstellen in digitale Datenpakete variabler Länge umgewandelten Bedienschaltersignalen Schaltstellenschaltvorgänge zuordnenden und die Verbraucher bzw. die Geräte mittels digitaler Datenpakete variabler Länge durch Ansteuerung der Schaltstellen über die Steuerleitungen, die die digitalen Steuersignale in Schaltsignale umwandelnden Signalstellen und die Schaltleitungen entsprechend schaltenden zentralen Steuereinheit vorgeschlagen.

DE 197 45 210 A 1



**Europäisches
Patentamt**

**European
Patent Office**

**Office européen
des brevets**

Bescheinigung

Certificate

Attestation

Die angehefteten Unterla-
gen stimmen mit der
ursprünglich eingereichten
Fassung der auf dem näch-
sten Blatt bezeichneten
europäischen Patentanmel-
dung überein.

The attached documents
are exact copies of the
European patent application
described on the following
page, as originally filed.

Les documents fixés à
cette attestation sont
conformes à la version
initialement déposée de
la demande de brevet
européen spécifiée à la
page suivante.

Patentanmeldung Nr. Patent application No. Demande de brevet n°

02026773.8

Der Präsident des Europäischen Patentamts;
Im Auftrag

For the President of the European Patent Office

Le Président de l'Office européen des brevets
p.o.

R C van Dijk